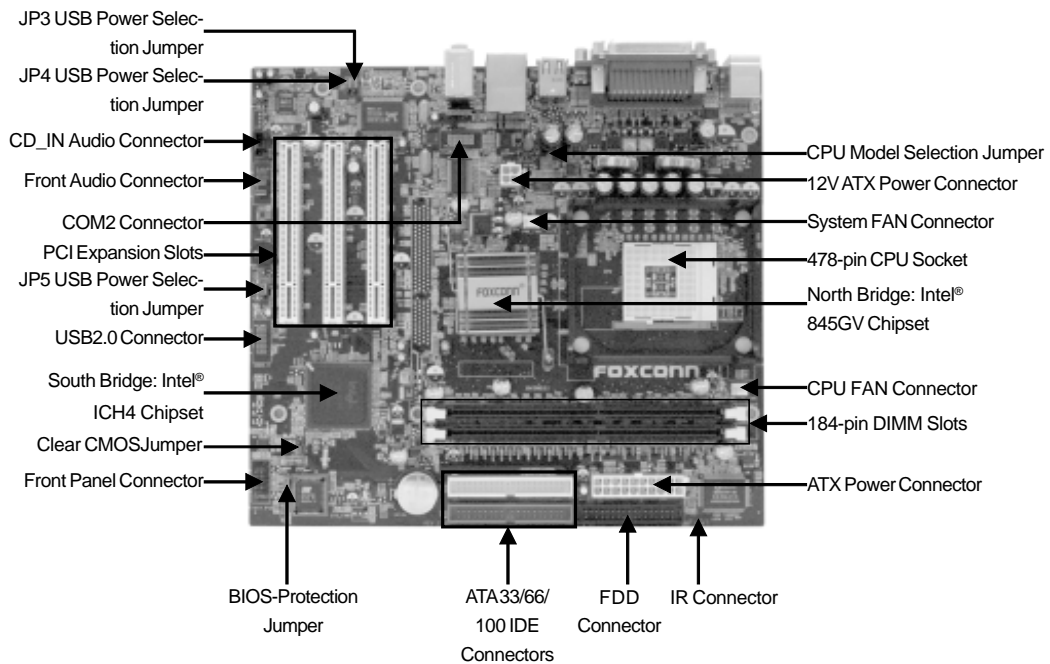


845GVME-S

Easy Installation Guide

Motherboard Layout

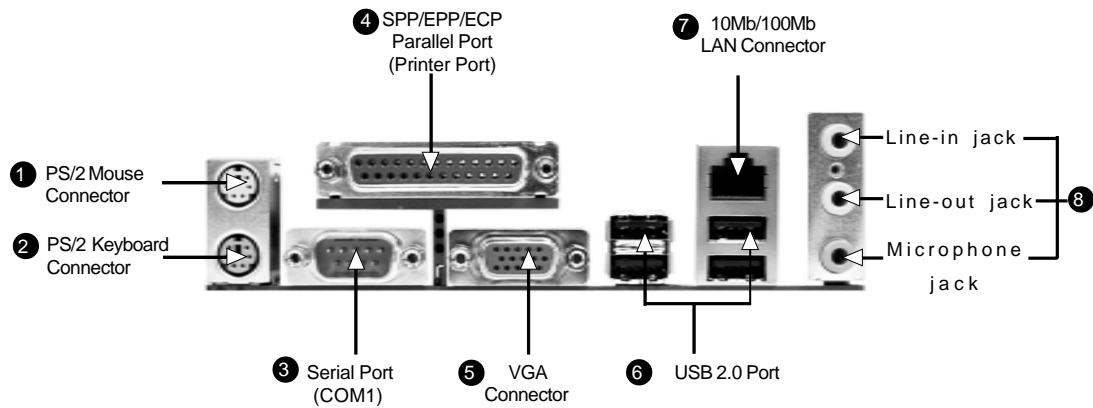


Remark:

The above motherboard layout is provided for reference only; please refer to the physical motherboard.

P/N: 91-185-U45-F1-0E

Rear Panel



1 PS/2 Mouse Connector

This green 6-pin connector is for a PS/2 mouse.

2 PS/2 Keyboard Connector

This purple 6-pin connector is for a PS/2 keyboard.

3 Serial Port (COM1)

This 9-pin COM1 port is for a serial mouse or other serial devices.

4 SPP/EPP/ECP Parallel Port (Printer Port)

This 25-pin port is for a parallel printer, a scanner, or other devices.

5 VGA Connector

The VGA connector is for output to a VGA-compatible device.

6 USB 2.0 Ports

These four Universal Serial Bus (USB) ports are available for connecting USB 2.0 devices.

7 LAN Connector

This port is for connection to a Local Area Network (LAN) through a network hub.

8 Line-in jack, Line-out jack, Microphone jack

When using a two-channel sound source, the Line-out jack is used to connect to speakers or headphones; the Line-in port connects to an external CD player, tape player or other audio device. The Microphone jack is used to connect to the microphone.

Accessory Checklist

- ❖ 845GVME-S Motherboard (x1)
- ❖ Foxconn Utility CD (x1)
- ❖ Easy Installation Guide (x1)
- ❖ IDE Ribbon Cable (x1)
- ❖ FDD Ribbon Cable (x1)
- ❖ I/O Shield (x1)

CPU/Memory Support Features

CPU:

- ❖ Supports Intel® Pentium® 4 socket 478 (Willamette/Northwood/Prescott) processors
- ❖ Supports Intel® Celeron® socket 478 (Willamette/Northwood/Prescott) processors
- ❖ Supports FSB at 400MHz/533MHz
- ❖ Supports up to 2.8G Prescott CPU and 3.06G Northwood CPU

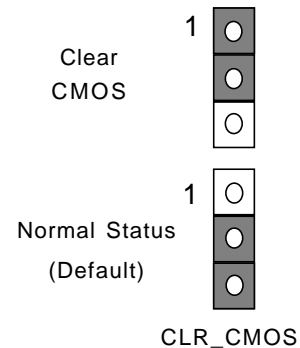
Memory:

- ❖ Supports two 184-pin DIMM slots
- ❖ Supports DDR266/333
- ❖ Supports memory technology up to 2GB

1. Clear CMOS Jumper: CLR_CMOS

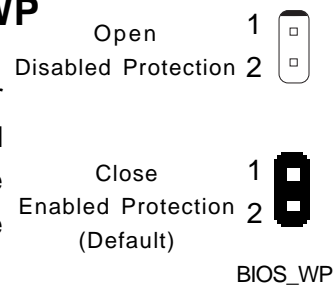
This motherboard uses the CMOS RAM to store all the parameters. The CMOS can be cleared by resetting the CMOS jumper. You can refer to the following process.

1. Turn off the AC power supply and connect pin 1 and 2 together using the jumper cap.
2. Return the jumper setting to normal (pin 2 and 3 together with the jumper cap).
3. Turn the AC power supply back on.



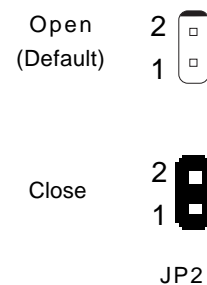
2. BIOS-Protection Jumper: BIOS_WP

The motherboard BIOS is inside the FWH. If the jumper BIOS_WP set as Close, the system BIOS is protected from being attacked by a serious virus, such as the CIH virus. You will be unable to flash the BIOS to the motherboard when the system BIOS is protected.



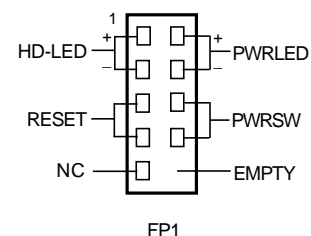
3. CPU Selection Jumper: JP2

The default status for JP2 is Open, which supports the Prescott and Northwood CPU. If JP2 set as Close, then it supports the Willamette CPU.



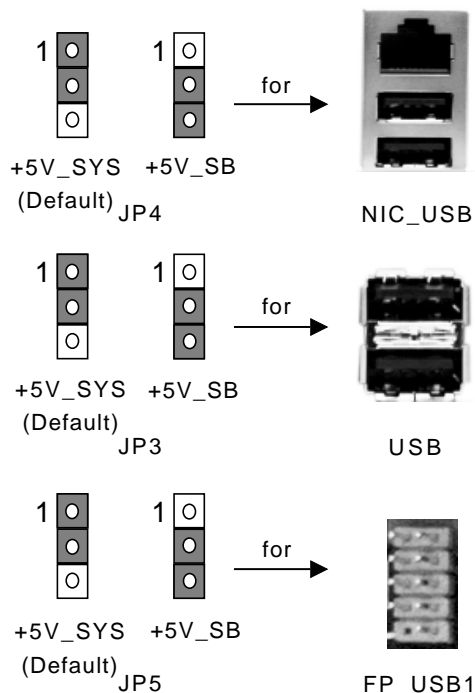
4. Front Panel Connector: FP1

Attach the power LED, IDE LED, reset switch and power switch connectors to the corresponding pins.



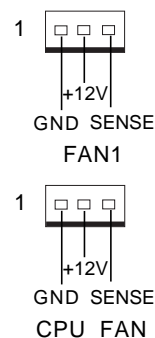
5. USB Power Selection Jumper: JP3, JP4, JP5

The motherboard uses JP3, JP4, JP5 jumper to select USB power. JP3 is for USB, JP4 is for NIC_USB, JP5 is for Front USB (FP_USB1). Pin 1 and 2 together (default) select +5V_SYS power, which doesn't supports USB device wake up function. Pin 2 and 3 together select +5V_SB, which supports USB device wake up function.



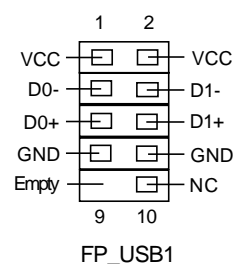
6. Fan Connectors: PWR_FAN, CPU_FAN

The fan speed of PWR_FAN and CPU_FAN can be detected and viewed in “PC Health Status” section of the CMOS Setup. These fans will be automatically turned off after the system enters S4 and S5 mode.



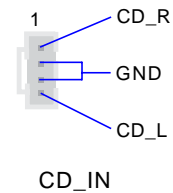
7. USB 2.0 Header: FP_USB1

Besides four USB ports on the rear panel, the series of motherboard also have one 10-pin header on board which may connect to front panel USB cable (optional) to provide two additional USB ports.



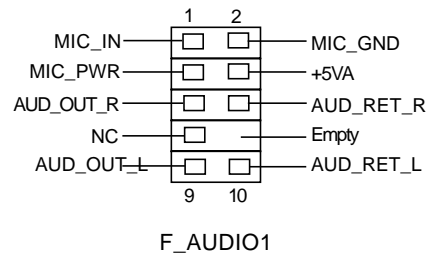
8. CD_IN Connector: CD_IN

CD_IN is Sony standard CD audio connector, it can be connected to a CD-ROM drive through a CD audio cable.



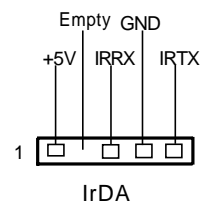
9. Front Audio Connector: F_AUDIO1

The audio interface provides two kinds of audio output choices: the Front Audio, the Rear Audio. Their priority is sequential from high to low(Front Audio to Rear Audio). If headphones are plugged into the front panel of the chassis(using the Front Audio), then the Line-out (the Rear Audio) on the rear panel will not work. If you do not want to use the Front Audio, pin 5 and pin 6, pin 9 and pin 10 must be SHORT, and then the signal will be sent to the rear audio port.



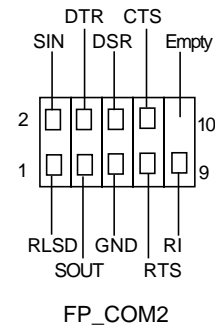
10. IrDA Header: IrDA

The connector supports wireless transmitting and receiving device. Before using this function, configure the settings of IR Mode from the "Integrated Peripherals" section of the CMOS Setup.



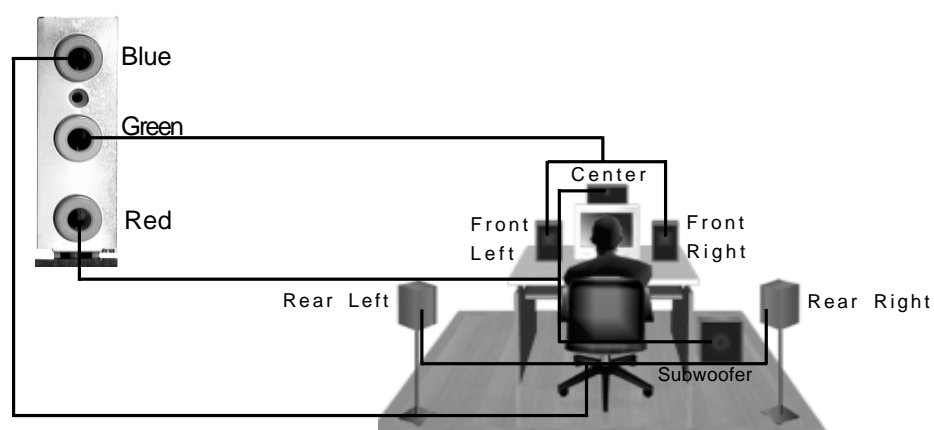
11. COM2 Connector: FP_COM2

This motherboard attached a serial connector for your computer, you only need connect it with cable, then link devices to cable port.



12. 6-channel Audio Effects

The motherboard is equipped with the Realtek ALC655 chip, which provides support for 6-channel audio output, including 2 front, 2 rear, 1 center and 1 subwoofer channel. ALC655 allows the board to attach 2, 4 or 6 speakers for a better surround sound effect. To apply this function, you have to install the audio driver in utility CD as well as an audio application supporting 6-channel. Picture below represents the standard location of all speakers in 6-channel sound track. Connect the front speaker to the green audio output; connect the surround sound speaker to the blue audio input; connect the center speaker/subwoofer to the red Microphone input.



13. Power on and Load Optimized Defaults

After you finish the setting of jumpers and connect correct cables. Power on and enter the BIOS Setup, Press during POST (Power On Self Test). Choose “Load Optimized Defaults” for recommended optimal performance. Please ensure your system components are good enough for optimized defaults.



Select this option and press <Enter>.

14. Foxconn Utility CD

This motherboard comes with one Utility CD. To begin using the CD, simply insert the CD into your CD-ROM drive. The CD will automatically display the main menu screen. After selecting Install Driver, you can install its Chipset Software, IAA, DirectX 9.0, VGA Driver, USB 2.0 Driver, Audio Driver, LAN Driver from this CD.



Follow the screen order to install the motherboard drivers.